

10. The system of claim 8, wherein the pump is connected to the dispenser assembly

by a tube having a distal end, the tip portion having a flange on a proximal end, the distal end of

the tube being held in contact with the flange of the tip portion.

30. A fluid dispensing system comprising

an array of at least eight dispense tips, each dispense tip being connected to a separate

syringe pump,

a fluid source bank, the fluid source bank having plural fluid reservoirs, and

a changeable fluid conduit network capable of permitting: (a) each of at least eight of the

pumps to be connected to a separate fluid reservoir, (b) each of at least eight of the pumps to be

connected to the same fluid reservoir, and (c) any subset of pumps to be connected to the same

fluid reservoir while one or more other pumps are connected to another fluid reservoir.

35. A device for dispensing fluid to a sample or sample holder, the device comprising

a fluid reservoir,

a syringe pump device connected to the fluid reservoir, and

a dispense element operatively connected to the pump device, wherein the pump device

drives fluid incrementally to the dispense element with sufficient velocity and acceleration so

that a fluid aliquot of less than about five microliters separates from the dispense element

without contacting the sample or the sample holder.

Applicants have attached a separate, marked-up version of the amended claims, showing changes relative to the previous version, in accordance with 37 C.F.R. § 1.121.